



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/889,344A
Source: PCT09
Date Processed by STIC: 2/13/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary .

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/889, 344 A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line. This may occur if your file
 Wrapped Aminos was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will
 prevent "wrapping."

- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.

- 3 Misaligned Amino The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers;
 Numbering use space characters, instead.

- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please
 ensure your subsequent submission is saved in ASCII text.

- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules,
 each n or Xaa can only represent a single residue. Please present the maximum number of each
 residue having variable length and indicate in the <220>-<223> section that some may be missing.

- 6 PatentIn 2.0 A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
 "bug" sequences(s) . Normally, PatentIn would automatically generate this section from the
 previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to
 the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for
 Artificial or Unknown sequences.

- 7 Skipped Sequences Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (OLD RULES) (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

- 8 Skipped Sequences Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 (NEW RULES) <210> sequence id number
 <400> sequence id number
 000

- 9 Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
 (NEW RULES) Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

- 10 Invalid <213> Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or
 Response scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or
 is Artificial Sequence

- 11 ✓ Use of <220> Sequence(s) 1, 2, 3 missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or
 "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

- 12 PatentIn 2.0 Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,
 "bug" resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence
 listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.



PCT09

RAW SEQUENCE LISTING

DATE: 02/13/2002

PATENT APPLICATION: US/09/889,344A

TIME: 18:59:17

Input Set : A:\USSEQLIST2.txt

Output Set: N:\CRF3\02132002\I889344A.raw

Does Not Comply
Corrected Diskette Needed

4 <110> APPLICANT: CHEN, WENFANG
 5 MEEK, THOMAS D.
 6 POWELL, DAVID J.
 7 TEW, DAVID G.
 10 <120> TITLE OF INVENTION: Method of Site Specific Labeling of Proteins and Uses
 11 Therefor
 14 <130> FILE REFERENCE: P50892
 16 <140> CURRENT APPLICATION NUMBER: 09/889,344A
 17 <141> CURRENT FILING DATE: 2001-07-16
 19 <150> PRIOR APPLICATION NUMBER: PCT/US00/01481
 20 <151> PRIOR FILING DATE: 2000-01-20
 22 <150> PRIOR APPLICATION NUMBER: US 60/117,327
 23 <151> PRIOR FILING DATE: 1999-01-22
 25 <160> NUMBER OF SEQ ID NOS: 16
 27 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 29 <210> SEQ ID NO: 1
 30 <211> LENGTH: 5
 31 <212> TYPE: PRT
 32 <213> ORGANISM: Artificial Sequence
 34 <220> FEATURE:
 35 <221> NAME/KEY: unsure
 36 <222> LOCATION: (5)
 37 <223> OTHER INFORMATION: Where Xaa at position (5) can represent Leucine or Isoleucine
 39 <400> SEQUENCE: 1
 W--> 40 Gln Ser Lys Val Xaa
 41 1 5
 43 <210> SEQ ID NO: 2
 44 <211> LENGTH: 207
 45 <212> TYPE: PRT
 46 <213> ORGANISM: Artificial Sequence
 48 <220> FEATURE:
 49 <221> NAME/KEY: unsure
 50 <222> LOCATION: (1)(2)(3)(4)(5)(6)(7)(8)(9)(10)(11)(12)(13)(14)(15)
 51 <222> LOCATION: (16)(17)(18)(19)(20)(21)(22)(23)(24)(25)(26)(27)(28)
 52 <222> LOCATION: (29)(30)(31)(32)(33)(34)(35)(36)(37)(38)(39)(40)(41)
 53 <222> LOCATION: (42)(43)(44)(45)(46)(47)(48)(49)(50)(51)(52)(53)(54)
 54 <222> LOCATION: (55)(56)(57)(58)(59)(60)(61)(62)(63)(64)(65)(66)(67)
 55 <222> LOCATION: (68)(69)(70)(71)(72)(73)(74)(75)(76)(77)(78)(79)(80)
 56 <222> LOCATION: (81)(82)(83)(84)(85)(86)(87)(88)(89)(90)(91)(92)(93)
 57 <222> LOCATION: (94)(95)(96)(97)(98)(99)(100)(101)(106)(107)(108)(109)
 58 <222> LOCATION: (110)(111)(112)(113)(114)(115)(116)(117)(118)(119)(120)
 59 <222> LOCATION: (121)(122)(123)(124)(125)(126)(127)(128)(129)(130)(131)
 60 <222> LOCATION: (132)(133)(134)(135)(136)(137)(138)(139)(140)(141)(142)

USE of Artificial Sequence must be accompanied by feature <220> and <223> to explain origin of genetic material. See item # 11 on Error Summary Sheet

Note: if all Xaa's are equal, then you can use a range, i.e. (1)...(207), for location.

RAW SEQUENCE LISTING

DATE: 02/13/2002

PATENT APPLICATION: US/09/889,344A

TIME: 18:59:17

Input Set : A:\USSEQLIST2.txt

Output Set: N:\CRF3\02132002\I889344A.raw

61 <222> LOCATION: (143)(144)(145)(146)(147)(148)(149)(150)(151)(152)(153)
 62 <222> LOCATION: (154)(155)(156)(157)(158)(159)(160)(161)(162)(163)(164)
 63 <222> LOCATION: (165)(166)(167)(168)(169)(170)(171)(172)(173)(174)(175)
 64 <222> LOCATION: (176)(177)(178)(179)(180)(181)(182)(183)(184)(185)(186)
 65 <222> LOCATION: (187)(188)(189)(190)(191)(192)(193)(194)(195)(196)(197)
 66 <222> LOCATION: (198)(199)(200)(201)(202)(203)(204)(205)(206)(207)
 67 <223> OTHER INFORMATION: Where Xaa can represent none or any one of the twenty naturally
 68 <223> OTHER INFORMATION: occurring amino acids
 70 <400> SEQUENCE: 2

W--> 71	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
72	1				5				10					15			
W--> 73	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
74				20				25					30				
W--> 75	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
76			35				40					45					
W--> 77	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
78		50				55				60							
W--> 79	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
80	65				70				75					80			
W--> 81	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
82				85				90					95				
W--> 83	Xaa	Xaa	Xaa	Xaa	Xaa	Gln	Ser	Lys	Val	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
84			100					105					110				
W--> 85	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
86			115				120					125					
W--> 87	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
88		130				135				140							
W--> 89	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
90	145				150				155				160				
W--> 91	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
92				165				170					175				
W--> 93	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
94			180				185					190					
W--> 95	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
96			195				200					205					

98 <210> SEQ ID NO: 3
 99 <211> LENGTH: 207
 100 <212> TYPE: PRT
 101 <213> ORGANISM: Artificial Sequence
 103 <220> FEATURE:
 104 <221> NAME/KEY: unsure
 105 <222> LOCATION: (1)(2)(3)(4)(5)(6)(7)(8)(9)(10)(11)(12)(13)(14)(15)
 106 <222> LOCATION: (16)(17)(18)(19)(20)(21)(22)(23)(24)(25)(26)(27)(28)
 107 <222> LOCATION: (29)(30)(31)(32)(33)(34)(35)(36)(37)(38)(39)(40)(41)
 108 <222> LOCATION: (42)(43)(44)(45)(46)(47)(48)(49)(50)(51)(52)(53)(54)
 109 <222> LOCATION: (55)(56)(57)(58)(59)(60)(61)(62)(63)(64)(65)(66)(67)
 110 <222> LOCATION: (68)(69)(70)(71)(72)(73)(74)(75)(76)(77)(78)(79)(80)
 111 <222> LOCATION: (81)(82)(83)(84)(85)(86)(87)(88)(89)(90)(91)(92)(93)
 112 <222> LOCATION: (94)(95)(96)(97)(98)(99)(100)(101)(106)(107)(108)(109)

- see page 1

RAW SEQUENCE LISTING

DATE: 02/13/2002

PATENT APPLICATION: US/09/889,344A

TIME: 18:59:17

Input Set : A:\USSEQLIST2.txt

Output Set: N:\CRF3\02132002\I889344A.raw

```

113 <222> LOCATION: (110)(111)(112)(113)(114)(115)(116)(117)(118)(119)(120)
114 <222> LOCATION: (121)(122)(123)(124)(125)(126)(127)(128)(129)(130)(131)
115 <222> LOCATION: (132)(133)(134)(135)(136)(137)(138)(139)(140)(141)(142)
116 <222> LOCATION: (143)(144)(145)(146)(147)(148)(149)(150)(151)(152)(153)
117 <222> LOCATION: (154)(155)(156)(157)(158)(159)(160)(161)(162)(163)(164)
118 <222> LOCATION: (165)(166)(167)(168)(169)(170)(171)(172)(173)(174)(175)
119 <222> LOCATION: (176)(177)(178)(179)(180)(181)(182)(183)(184)(185)(186)
120 <222> LOCATION: (187)(188)(189)(190)(191)(192)(193)(194)(195)(196)(197)
121 <222> LOCATION: (198)(199)(200)(201)(202)(203)(204)(205)(206)(207)
122 <223> OTHER INFORMATION: Where Xaa can represent none or any one of the twenty
naturally
123 <223> OTHER INFORMATION: occurring amino acids
125 <400> SEQUENCE: 3
W--> 126 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
127 1 5 10 15
W--> 128 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
129 20 25 30
W--> 130 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
131 35 40 45
W--> 132 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
133 50 55 60
W--> 134 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
135 65 70 75 80
W--> 136 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
137 85 90 95
W--> 138 Xaa Xaa Xaa Xaa Xaa Gln Ser Lys Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa
139 100 105 110
W--> 140 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
141 115 120 125
W--> 142 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
143 130 135 140
W--> 144 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
145 145 150 155 160
W--> 146 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
147 165 170 175
W--> 148 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
149 180 185 190
W--> 150 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
151 195 200 205
153 <210> SEQ ID NO: 4
154 <211> LENGTH: 10
155 <212> TYPE: PRT
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Derivative of a factor XIII substrate
161 <400> SEQUENCE: 4
162 Leu Ser Leu Ser Gln Ser Lys Val Leu Gly
163 1 5 10
165 <210> SEQ ID NO: 5
166 <211> LENGTH: 10

```

RAW SEQUENCE LISTING DATE: 02/13/2002
 PATENT APPLICATION: US/09/889,344A TIME: 18:59:17

Input Set : A:\USSEQLIST2.txt
 Output Set: N:\CRF3\02132002\I889344A.raw

```

167 <212> TYPE: PRT
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Derivative of a factor XIII substrate
173 <400> SEQUENCE: 5
174   Ile Gly Glu Gly Gln Ser Lys Val Leu Gly
175     1             5             10
177 <210> SEQ ID NO: 6
178 <211> LENGTH: 10
179 <212> TYPE: PRT
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Derivative of a factor XIII substrate
185 <400> SEQUENCE: 6
186   Leu Gly Pro Gly Gln Ser Lys Val Ile Gly
187     1             5             10
189 <210> SEQ ID NO: 7
190 <211> LENGTH: 81
191 <212> TYPE: DNA
192 <213> ORGANISM: Unknown
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag
197 <400> SEQUENCE: 7
198   tgtacctcag accatatgag cctgtccctg tcccagtgcca aagttctgcc ggggtccgagc      60
199   actatcgaaag aacgcgttaa g                                     81
201 <210> SEQ ID NO: 8
202 <211> LENGTH: 37
203 <212> TYPE: DNA
204 <213> ORGANISM: Unknown
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag
209 <400> SEQUENCE: 8
210   tgatgtcagt caagcttacg cctgggtggcc gttgatg                                     37
212 <210> SEQ ID NO: 9
213 <211> LENGTH: 14
214 <212> TYPE: PRT
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Derivative of a factor XIII substrate
220 <400> SEQUENCE: 9
221   Met Ser Leu Ser Leu Ser Gln Ser Lys Val Leu Pro Gly Pro
222     1             5             10
224 <210> SEQ ID NO: 10
225 <211> LENGTH: 37
226 <212> TYPE: DNA
227 <213> ORGANISM: Unknown
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag
232 <400> SEQUENCE: 10

```

RAW SEQUENCE LISTING DATE: 02/13/2002
 PATENT APPLICATION: US/09/889,344A TIME: 18:59:17

Input Set : A:\USSEQLIST2.txt
 Output Set: N:\CRF3\02132002\I889344A.raw

```

233  tgtacctcag accatatgag cactatcgaa gaacgcg                               37
235 <210> SEQ ID NO: 11
236 <211> LENGTH: 78
237 <212> TYPE: DNA
238 <213> ORGANISM: Unknown
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag
243 <400> SEQUENCE: 11
244  tgatgtcagt caagcttacg gacccggcag aactttggac tgggacaggg acagcgctg       60
245  gtggccgttg atgtaatc                                                    78
247 <210> SEQ ID NO: 12
248 <211> LENGTH: 12
249 <212> TYPE: PRT
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Derivative of E. coli ACP protein
255 <400> SEQUENCE: 12
256  Leu Ser Leu Ser Gln Ser Lys Val Leu Pro Gly Pro
257    1             5             10
259 <210> SEQ ID NO: 13
260 <211> LENGTH: 92
261 <212> TYPE: DNA
262 <213> ORGANISM: Unknown
264 <220> FEATURE:
265 <223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag into
266   Streptococcus haemophilus FabH gene
268 <400> SEQUENCE: 13
269  tatcatatga gcctgtccct gtcccagtc aaagttctgc cgggtccggg taccctcgag       60
270  ggatccgctt ttgcaaaaat aagtcagggt gc                                     92
272 <210> SEQ ID NO: 14
273 <211> LENGTH: 53
274 <212> TYPE: DNA
275 <213> ORGANISM: Unknown
277 <220> FEATURE:
278 <223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag into
279   Streptococcus haemophilus FabH gene
281 <400> SEQUENCE: 14
282  ctcagatctg agctcactag tggatcctta aattgtaaga atgagcgtgc ccc             53
284 <210> SEQ ID NO: 15
285 <211> LENGTH: 364
286 <212> TYPE: PRT
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Modified sequence of Streptococcus haemophilus FabH
292 <400> SEQUENCE: 15
293  Met Gly His His His His His His His His Ser Ser Gly His
294    1             5             10             15
295  Ile Glu Gly Arg His Met Ser Leu Ser Leu Ser Gln Ser Lys Val Leu
296    20             25             30

```

VERIFICATION SUMMARY

DATE: 02/13/2002

PATENT APPLICATION: US/09/889,344A

TIME: 18:59:18

Input Set : A:\USSEQLIST2.txt

Output Set: N:\CRF3\02132002\I889344A.raw

L:40 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:71 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:83 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:87 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:93 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:150 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3